

What is claimed is:

1. A reflective liquid crystal display device comprising:

a first substrate;

a retardation film disposed on the first substrate;

a polarizing plate disposed on the retardation film;

a transparent electrode formed on the lower side of the first substrate;

a second substrate;

thin film elements formed on the second substrate;

color filters formed on the thin film elements, wherein each of the color filters includes a
cholestric liquid crystal;

a pixel electrode formed on each of the color filters, wherein the pixel electrode
corresponds to a respective one of the color filters; and

a liquid crystal layer is located between the first substrate and the second substrate.

2. The device according to claim 1, further comprising an absorbing layer disposed on
the lower side of the second substrate.

3. The device according to claim 1, wherein the thin film elements include a switching device having an electrode, and the pixel electrode is connected to the electrode of the switching device through a contact hole.

4. The device according to claim 1, wherein a phase difference value of the retardation film is $\lambda/4$.

5. The device according to claim 1, wherein a phase difference value in the liquid crystal is $\lambda/2$.

6. The device according to claim 1, further comprising:

a first alignment layer disposed between the first substrate and liquid crystal layer; and

a second alignment layer disposed between the second substrate and liquid crystal layer.

7. The device according to claim 1, further comprising an insulating film between the color filters and the pixel electrode.

8. An array substrate for a reflective liquid crystal display, comprising:

a substrate;

thin film elements formed on the substrate;

color filters formed on the thin film elements, wherein each of the color filters include

a cholesteric liquid crystal; and

a pixel electrode formed on each of the color filters, wherein the pixel electrode

corresponds to a respective one of the color filters.

9. The array substrate according to claim 8, further comprising:

an insulating layer between the color filters and the pixel electrode.

10. The array substrate according to claim 8, wherein the thin film elements include a switching device.

11. The array substrate according to claim 10, wherein the switching device is a thin film transistor.

12. The array substrate according to claim 8, wherein the thin film elements include a switching device having an electrode, and the pixel electrode on the substrates is connected to the electrode of the switching device through a contact hole.

13. The array substrate according to claim 9, wherein the thin film elements include a switching device having an electrode, and the pixel electrode on the substrates is connected to the electrode of the switching device through a contact hole.

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